

Tuesday 9th of April, 2019

Present:

Haoyu Wang
Junwei Cao
Shigeng Song

Siong Heng
Tim Sumner
Yi-Ming Hu

Prof. Zhu
Mariela Masso

Minutes:

Siong: Thanks everyone for joining, we have call this week mainly because we are two to three weeks away from the Glasgow meeting in meeting. So this meeting is mainly focus on organizing the agenda and the discussion topics for that meeting.

I'm going to paste several links in the chat window.

<https://great.physics.gla.ac.uk/program/glasgowmeet/>

This is the agenda link directly which you can find from the main link circulated. The agenda is very similar in layout to the meeting in Beijing, except maybe some of the work packages have been reordered. There are now a few more details to go through. In WP1, we want to talk about *economic growth and innovation* and there's the question about which institution could give a report in this session. Whether reports from Strathclyde, UWS, Tongji, CUST and Tsinghua University as well. So this kind of reports we had last time so maybe we should have something similar this time.

People from these institutions should speak up now or send an email / filling out form about interest in talks. Anybody want to say something on WP1?

WP2

Siong: Then, for WP2, is education so we have people from Beijing Planetarium visiting, so I think we should have a report and a discussion about the exhibit that we are putting together and then maybe the question in that section is about WP2, whether Martin or Zong-Hong what to give a report as well in addition to the planetarium.

Mariela: Martin apologizes for not attending the call today but says he will give a talk on WP2 but he can only make the Friday.

Siong: We then we should move the WP2 session for the Friday.

Tim: There's a meeting in May in the States and I think Martin will give a talk in that.

Siong: Thanks Tim. The last think would be this short LIGO in your hands demo, tabletop interferometer but also for outreach and it can be a 15 min demo presentation that pple can have a look at.

Zhu: I think from the China side, I organize there's talks from this package, 2 from the planetarium and one from Central China normal university. But unfortunately because Prof. Qiao delayed her visit to Glasgow, someone else will present her talk.

Siong: Ok great, thank you. We will note that and put in the agenda.

Zhu: I will send the talk title and speaker name.

Siong: Are there other topics related to outreach and education here? I know is very linked to the planetarium because is something we are doing but what about other outreach projects? Maybe we can think about it, and see if there are other topics for this sessions.

Tim: I think it might be interesting to understand if there are other outreach opportunities, possible meetings where there might be outreach opportunities. Anywhere where there's an opportunity to set up an outreach stand and make a presence there. National or any other meetings that might be ideal.

Siong: Yes, I guess you mean in both UK and china.

Tim: Anywhere were there's an opportunity. Any meeting were there's an opportunity to set up an outreach stand. But it would be useful to know they are coming so we can make out presence there.

Siong: Yes, that's true. Maybe we could try and take this conversation on the mailing list and see if people are aware of other meeting where maybe some outreach on gw would be welcomed.

Tim: Yes, I think that would be the way forward.

WP3

Siong: Ok so let's move on to the next section on WP3. This section has a couple of topic related to the numerical school in Southampton and a sort of summer school on Birmingham. These have both been discussed and just to have an update or contribution to the organization we will have a report of these. However, I was thinking we have had people saying they we will have talks to summarize some activities in China, although he can't attend in person (Xilong) so maybe one the attendees will give a summary on his behalf, and maybe the same in the UK.

I was wondering if maybe to help increase collaboration it would be interested to know what kind of research is being done under this WP or related to, what kind of data analysis, modelling is being done in China and more of a science talk and from there we can see if attendees can see opportunities to collaborate. So maybe we could have an hour of science related talks for collaboration. Instead of just the usual reports and updates and that kind of stuff.

We will try and list some talks in this session, speakers for this sessions are not entirely clear. And finally just before the end of the day we will have all a break out sessions to see how more collaboration can come about. So that's day one.

WP4

Siong: Then Thursday is WP4, things related to materials, coatings interferometry, could also include space talks but there's it own WP5, if you look at the layout of the day there's room for what I kind of mentioned before, aspects of research that would be interested to others for collaboration.

The other thing I want to highlight is that there's an interest from Tianqin to have contact with the aerospace in Glasgow so I was wondering if we need to allocate some time for such discussions, so the question is would anyone from Tianqin would like to say anything about this? Yi-ming? Do you know if there will be discussion with the aerospace pple?

Yi-ming: we are trying our best to try and come but it might be likely that I will be the only person able to come. I might want to have the discussion on behalf of our colleagues but the plan is very vague. I think we sent the email to the aerospace colleagues in Glasgow and they showed interest in attending the meeting but they would like to meet in person in the UK.

Siong: Ok, maybe we leave it at that, but there's room in the WP5 agenda to have updates from both LISA and Tianquin and Tianji. There's also more room for WP4 and WP5 for that day.

Tim: I noticed in the previous minutes that there was about 25 pple coming over for china is that still the case?

Siong: It seems to be less now because of bureaucracy, I think there will still be in the order of 10.

Tim: Would it be possible to see a list of the people attending the meeting.

Siong: I think we should have a list of people attending

Tim: It would be great to have a list of everyone so we have an idea of the totality of the people attending this meeting.

Tim: great, I was also curious about the aerospace participation. Do you know who in Glasgow that is?

Siong: I actually have not been responsible for contacting them but the SYSU people have been in contact with them.

Yi-Ming: I forwarded you an email on April 1st, it was sent to Mateo Serreoti, But seems our colleague sent an email to this person in Aerospace.

Tim: I don't know that particular space person but I was hoping to engage with some space people but I will email my colleagues in Glasgow so they can attend this meeting.

Siong: It might be of more benefit to move the space section to the Friday.

Tim: The overlap of the meeting in the States is on the first day but yes moving the meeting to the Friday might mean that people can either join remotely or in person that day.

Siong: Ok so that is WP4 and WP5 and there will be another breakout discussion after these two WPs. To see what other venues we can go to collaborate. Then on the last day depending on the other sessions we can have a summary of all the discussions. And then if we have someone write notes then we can report back to everyone. Then also the agenda on the Friday, this session will finish early in case people are wanting to leave that day. But the morning session is about wrapping discussions, the meeting and also identify future roots for outreach and industrial engagement and collaboration in WPs, some extend the last day has room for adding or extending sessions for other WPs. As I mentioned before, Friday afternoon will be put aside for lab tours in Glasgow. That's where it stands at the moment. We do need more concrete suggestions for people to sign up for WPs so please let us know and we will put in the agenda.

Any question or comments of what people see there at the moment.

Haoyu: Hi Siong, I think for the WP4 so as far I know Haxing is going to attend this meeting so I think he will give the talk on the proposal for China to build the High frequency detectors, I also think he will talk on the design proposal for the designed prototype.

Siong: We did suggest that there would be a discussion for the high frequency in China so will be added to WP4. Thank you Haoyu,

Siong: Anything else? If there's nothing else, we will continue to work on the agenda, please pple sign up to attend the meeting. Mariela has pasted a lot of links so please do register.

Mariela: If you could please fill them up, I know some people haven't been able to access the google docs, so I've put in the Microsoft forms. If you have any issues with either then please let me know and we will sort it. Also if there's anything else you need in terms of hotels or others then please let us know.

Final item of agenda: collaboration agreement

Siong: One final item of the meeting is the amended collaboration agreement. This amendment is what we had previously discussed, adding institutions to the collab agreement such as Portsmouth and Shanghai observatory. So in the UK the legal team have been circulating this to the dif institutions and it seems to be positive comments. If the Chinese side has any comments please let us know. This needs to also be signed again, which means more bureaucracy but if there's no objections then we can proceed, assuming all is fine then we can go ahead with it. Any questions or comments?

<https://owncloud.gla.ac.uk/cloud/s/cVlyLxB4FqjoZZe>

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Siong: Okay, Any other questions? that sounds like a No. Is there any other business for todays call?

Zhu: There's one thing related tour project. There will be a bilateral discussion on July between Chinese national foundation and the United Kingdom Research and innovation department, I was invited to attend so maybe this is a chance to introduce our GrEAt project, do you have any suggestions, I push something during this workshop. It will discuss collaboration area topics between national foundation China and the UKRI.

Siong: If you can say something our project that would be fantastic. And hopefully that can be more evidence to support longer networking links between China and the UK. Sorry when is this workshop?

Zhu: July 22 and 23rd in Manchester. Is a discussion on the collaboration area and focus topics. SO I think is a chance to talk about GW. Do you think so?

Siong: I think it OK, Yes.

Zhu: I just got the invitation today so.

Siong: maybe we should try and coordinate information, do you know what kind of information they want? Do you know?

Zhu : On the China side it was organized by the national science foundation and I'm assuming the UKRI organized the UK side.

Siong: Ok. So I will ask around and see. Thanks.

Any other business then? That sounds like a NO, thanks for coming and please sign up and sign up for talks. We will talk again on the 23rd of April. Same time.